

Abstract

THESIS: Modeling of Eclipsing Binary Candidates in the Northern Sky Variability Survey

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PAGES: 59

In this thesis, I detail the methods I have used to reduce and analyze the data I have collected on two eclipsing binary systems from the Northern Sky Variability Survey: NSVS 7322420 and NSVS 5726288. These systems have not had any follow-up studies performed on them other than classification as potential eclipsing binary systems. I present the data that I have collected as well as the results of my analysis of the data. My analysis indicates that both systems are β Lyrae type eclipsing binaries.